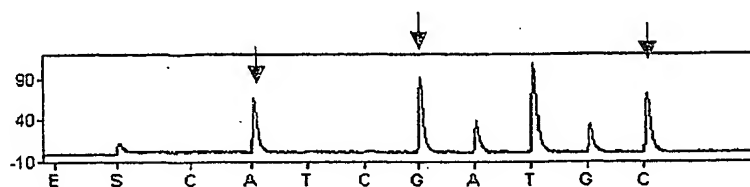BGL

Sequencing primer: TTGAGTGACAGAGTAGTGA (SEQ ID NO: 14)

Sequence to analyze: AGGATTTTGC (SEQ ID NO: 15)

Dispensation order: (C)A(T)(C)GATGC



Template loop generating background in the A, G and C peaks denoted by arrows.

AAGGCC ->

```
ACTTGAGGAAGATCATA  -3'
(  |  ||  |||||   |·||
  GAACCTTCTTCTCATATTTCGGGATAACTCACTGTCTCATCACTYCTAAAACGTCTAA
TACGTCTTAAAA...   -Biotin-5'(SEQ ID NO: 16)
```

# FIG. 1A

PRP

Sequencing primer: GTGGGTTGATCCATAT (SEQ ID NO: 11)

Sequence to analyze: CGGAATTGGT (SEQ ID NO: 13)
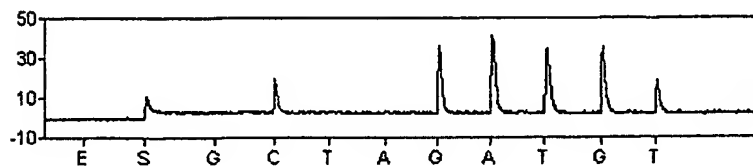
Dispensation order: (G)C(T)(A)GATGT



**FIG. 1B**

THA

Sequencing primer: CATTCACTTGCCCTG (SEQ ID NO: 7)

Sequence to analyze: GGGGAACCAACT (SEQ ID NO: 17)

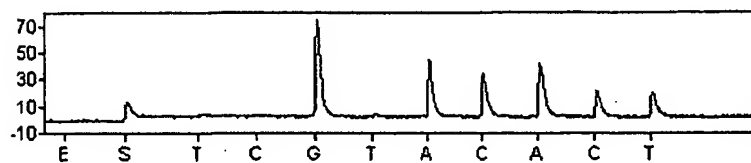Dispensation order: (T)(C)G(T)ACACT



# FIG. 1C

RPL10

Sequencing primer: TCATTGTTAGCAGGAAG (SEQ ID NO: 6)

Sequence to analyze: TGGGGATTCA (SEQ ID NO: 18)
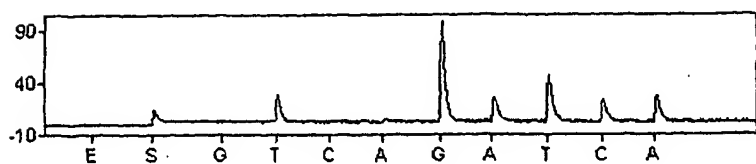
Dispensation order: (G)T(C)(A)GATCA



**FIG. 1D**

RPL12

Sequencing primer: AAGAACATCAAGCACAA (SEQ ID NO: 10)

Sequence to analyze: TGGTAATA (SEQ ID NO: 12)

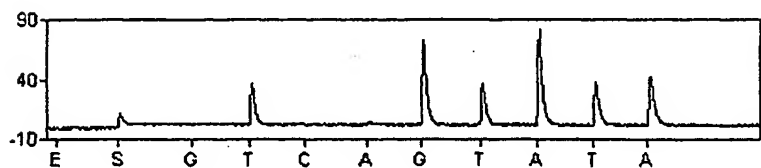Dispensation order: (G)T(C)(A)GTATA



**FIG. 1E**

THA + RPL10

Sequencing primers:  TCATTGTTAGCAGGAAG (RPL10) (SEQ ID NO: 6) and

CATTCACTTGCCCTG (THA) (SEQ ID NO: 7)

Sequence to analyze:  TGGGGATT (RPL10) (SEQ ID NO: 8) and GGGGAACC (THA)
(SEQ ID NO: 9)

Dispensation order:  G(C)TGACT



Peak heights from the pyrogram (peak heights in RLU, relative light units):

| S | G | C | T | G | A | C | T |
|------|------|-----|-----|------|------|------|-----|
| 10.6 | 32.6 | 1.1 | 4.7 | 12.3 | 21.8 | 14.1 | 6.9 |

**FIG. 2A**

PRP + RPL 12

Sequencing primers: AAGAACATCAAGCACAA (RPL12) (SEQ ID NO: 10) and

GTGGGTTGATCCATAT (PRP) (SEQ ID NO: 11)

Sequence to analyze: TGGTAATA (RPL12) (SEQ ID NO: 12) and CGGAATTGGT (PRP)
(SEQ ID NO: 13)

Dispensation order: T(A)GCGATA



Peak heights from the pyrogram (peak heights in RLU, relative light units):

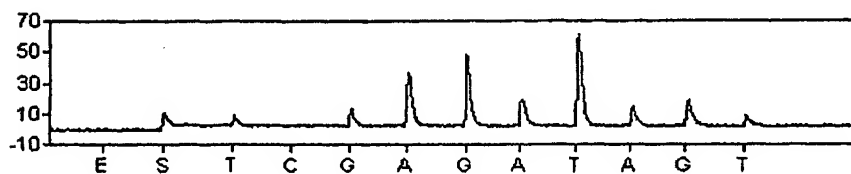| S | T | A | G | C | G | A | T | A |
|------|------|------|------|------|------|------|------|------|
| 9.5 | 6.5 | 0.9 | 10.9 | 3.7 | 5.1 | 7.0 | 10.8 | 11.3 |

# FIG. 2B

RPL 12 + BGL

Sequencing primers: AAGAACATCAAGCACAA (RPL12) (SEQ ID NO: 10) and

TTGAGTGACAGAGTAGTGA (BGL) (SEQ ID NO: 14)

Sequence to analyze: TGGTAATA (RPL12) (SEQ ID NO: 12) and AGGATTTTGC (BGL) (SEQ ID NO: 15)

Dispensation order: T(C)GAGATAGT



Peak heights from the pyrogram (peak heights in RLU, relative light units):

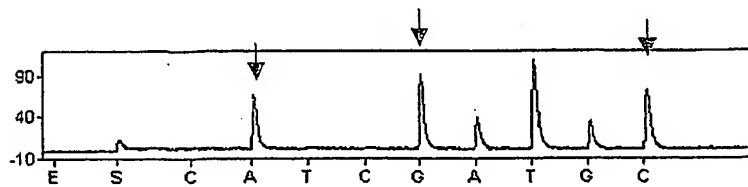| S | T | C | G | A | G | A | T | A | G | T |
|------|------|------|------|------|------|------|------|------|------|------|
| 8.5 | 5.8 | 0.6 | 10.6 | 34.2 | 46.3 | 17.4 | 58.1 | 12.0 | 17.1 | 6.1 |

# FIG. 2C

BGL

Sequencing primer: TTGAGTGACAGAGTAGTGA (SEQ ID NO: 14)

Sequence to analyze: AGGATTTTGC (SEQ ID NO: 15)

Dispensation order: (C)A(T)(C)GATGC



Template loop generating background in the A, G and C peaks denoted by arrows.

AAGGCC ->

ACTTGAGGAAGATCATA -3'

GAACCTTCTTCTCATATTTCCGGATAACTCACTGTCTCATCACTYCTAAAACGTCT
AA
TACGTCTTAAAA... Biotin 5'

AAGGCC ->

ACTTGAGGAAGATCATA -3'

(   |  ||  ||||||    |||
GAACCTTCTTCTCATATTTCCGGATAACTCACTGTCTCATCACTYCTAAAACGTCTAA

TACGTCTTAAAA...    -Biotin-5' (SEQ ID NO: 16)

## FIG. 1A

PRP

Sequencing primer: GTGGGTTGATCCATAT (SEQ ID NO: 11)

Sequence to analyze: CGGAATTGGT (SEQ ID NO: 13)

Dispensation order: (G)C(T)(A)GATGT



## FIG. 1B

THA

Sequencing primer: CATTCACTTGCCCTG (SEQ ID NO: 7)

Sequence to analyze: GGGGAACCAACT (SEQ ID NO: 17)

Dispensation order: (T)(C)G(T)ACACT
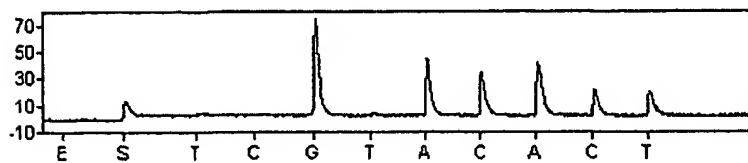


**FIG. 1C**

RPL10

Sequencing primer: TCATTGTTAGCAGGAAG (SEQ ID NO: 6)

Sequence to analyze: TGGGGATTCA (SEQ ID NO: 18)

Dispensation order: (G)T(C)(A)GATCA



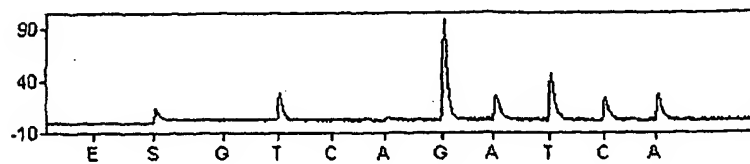## FIG. 1D

RPL12

Sequencing primer:  AAGAACATCAAGCACAA (SEQ ID NO: 10)

Sequence to analyze:  TGGTAATA (SEQ ID NO: 12)
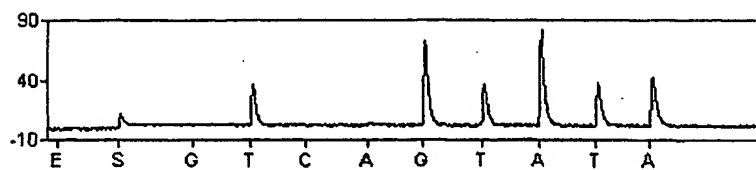
Dispensation order:  (G)T(C)(A)GTATA



**FIG. 1E**

THA + RPL10

Sequencing primers:  TCATTGTTAGCAGGAAG (RPL10) (SEQ ID NO: 6) and

CATTCACTTGCCCTG (THA) (SEQ ID NO: 7)

Sequence to analyze:  TGGGGATT (RPL10) (SEQ ID NO: 8) and GGGGAACC (THA)
(SEQ ID NO: 9)

Dispensation order:  G(C)TGACT



Peak heights from the pyrogram (peak heights in RLU, relative light units):

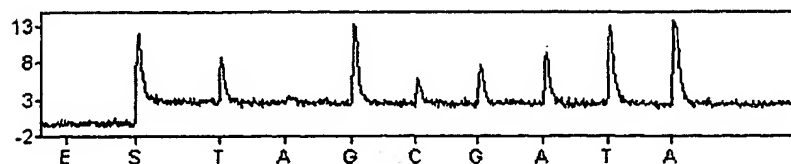| S | G | C | T | G | A | C | T |
|------|------|-----|-----|------|------|------|-----|
| 10.6 | 32.6 | 1.1 | 4.7 | 12.3 | 21.8 | 14.1 | 6.9 |

## FIG. 2A

PRP + RPL 12

Sequencing primers:  AAGAACATCAAGCACAA (RPL12) (SEQ ID NO: 10) and

GTGGGTTGATCCATAT (PRP) (SEQ ID NO: 11)

Sequence to analyze:  TGGTAATA (RPL12) (SEQ ID NO: 12) and CGGAATTGGT (PRP)
(SEQ ID NO: 13)

Dispensation order:  T(A)GCGATA



Peak heights from the pyrogram (peak heights in RLU, relative light units):

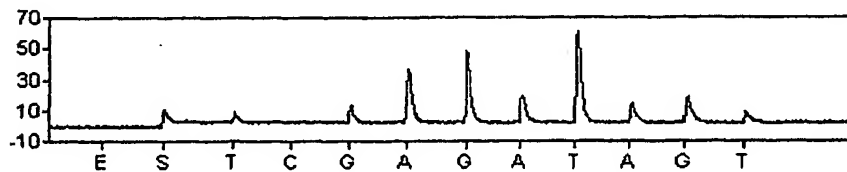| S | T | A | G | C | G | A | T | A |
|-----|-----|-----|------|-----|-----|-----|------|------|
| 9.5 | 6.5 | 0.9 | 10.9 | 3.7 | 5.1 | 7.0 | 10.8 | 11.3 |

# FIG. 2B

RPL 12 + BGL

Sequencing primers:  AAGAACATCAAGCACAA (RPL12) (SEQ ID NO: 10) and

TTGAGTGACAGAGTAGTGA (BGL) (SEQ ID NO: 14)

Sequence to analyze:  TGGTAATA (RPL12) (SEQ ID NO: 12) and AGGATTTTGC (BGL)
(SEQ ID NO: 15)

Dispensation order:  T(C)GAGATAGT



Peak heights from the pyrogram (peak heights in RLU, relative light units):

| S | T | C | G | A | G | A | T | A | G | T |
|------|------|------|------|------|------|------|------|------|------|------|
| 8.5 | 5.8 | 0.6 | 10.6 | 34.2 | 46.3 | 17.4 | 58.1 | 12.0 | 17.1 | 6.1 |

# FIG. 2C